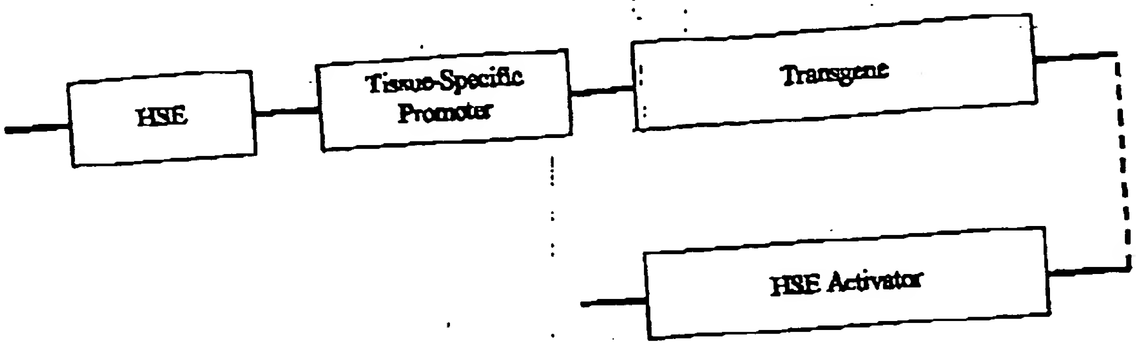


Figure 1

1 2 3 4 5 6 7 8 9 10 11 12 13
HT1080 293 Tel Hela B16 A378M Marker

Figure 2

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Figure 3 A ***The Tyr115bp promoter is active in non-melanoma cells.*** *RtPCR for expression of the CAT gene directed by the Tyr115bp promoter, in a range of non-melanoma (lanes 2-9, 11 and 13) and melanoma lines (lanes 10 and 12), indicated that expression is observed in at least 2 non-melanoma cell lines (293, lane 4 and Tel CeB6, lane 6).*

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Figure 3B

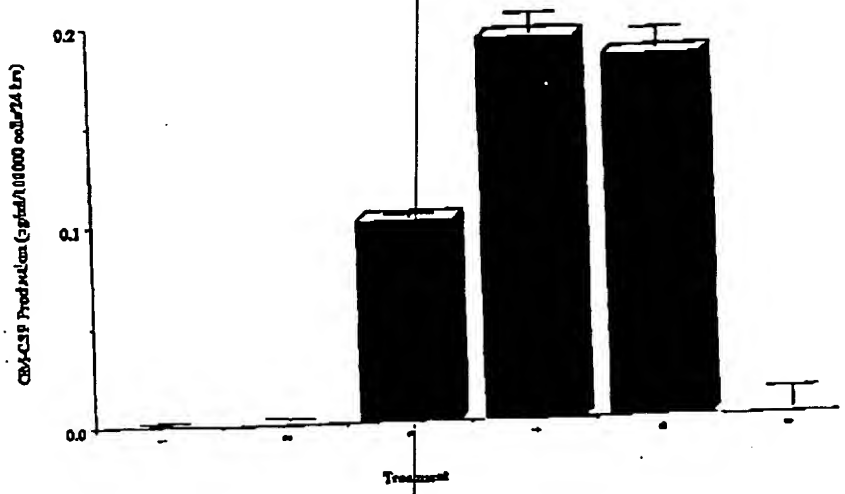


Figure 4

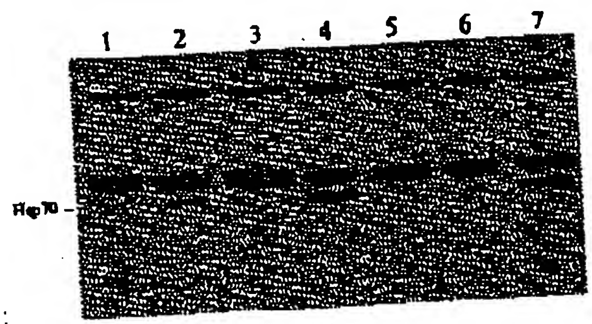


Figure 5

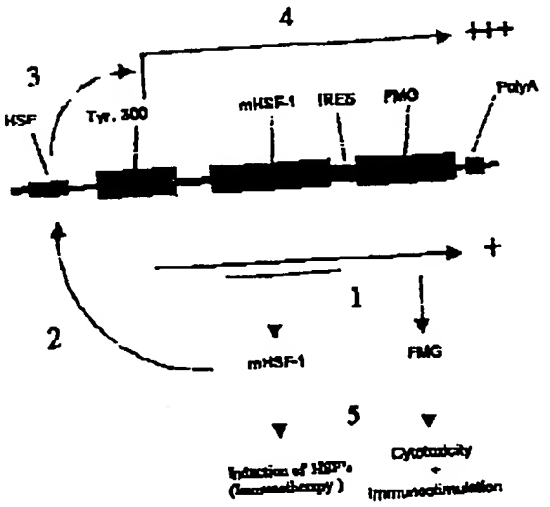

4
+++
3
HSF
Tw. 300
mHSF-1
IRES
FMG
PolyA
+
1
2
mHSF-1
FMG
5
Cytotoxicity
Immunostimulation

Figure 6

Figure 7A

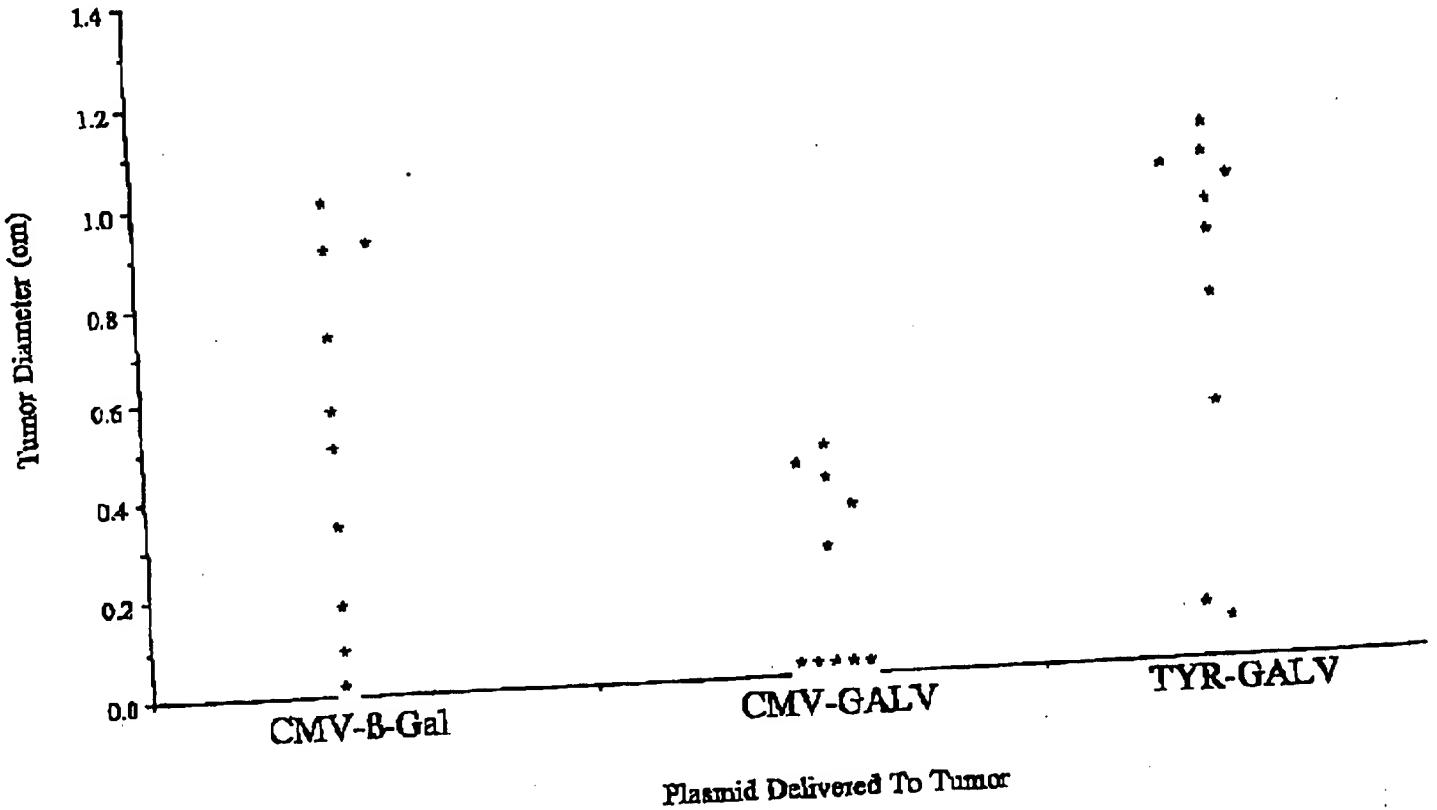


Figure 7A

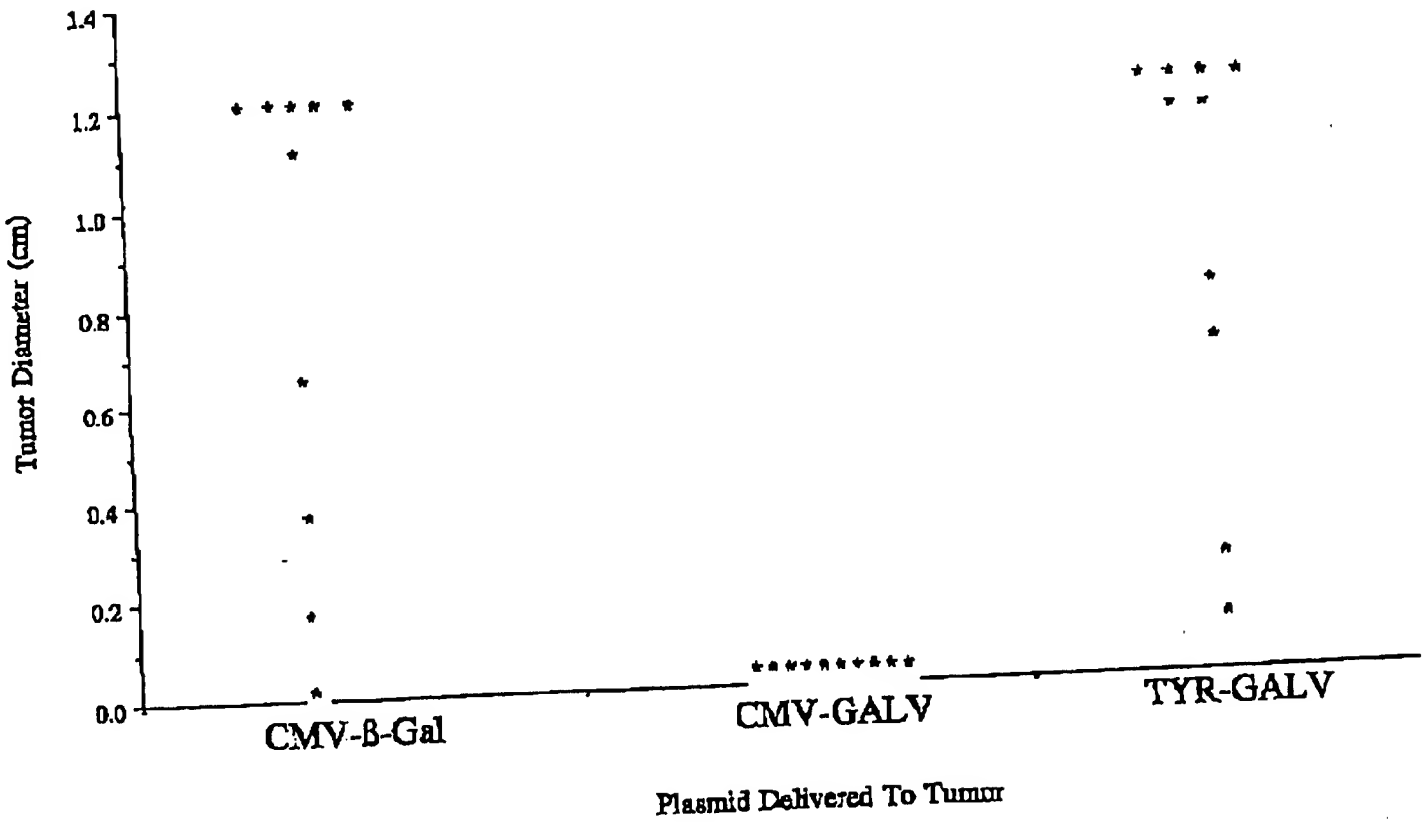


Figure 7B

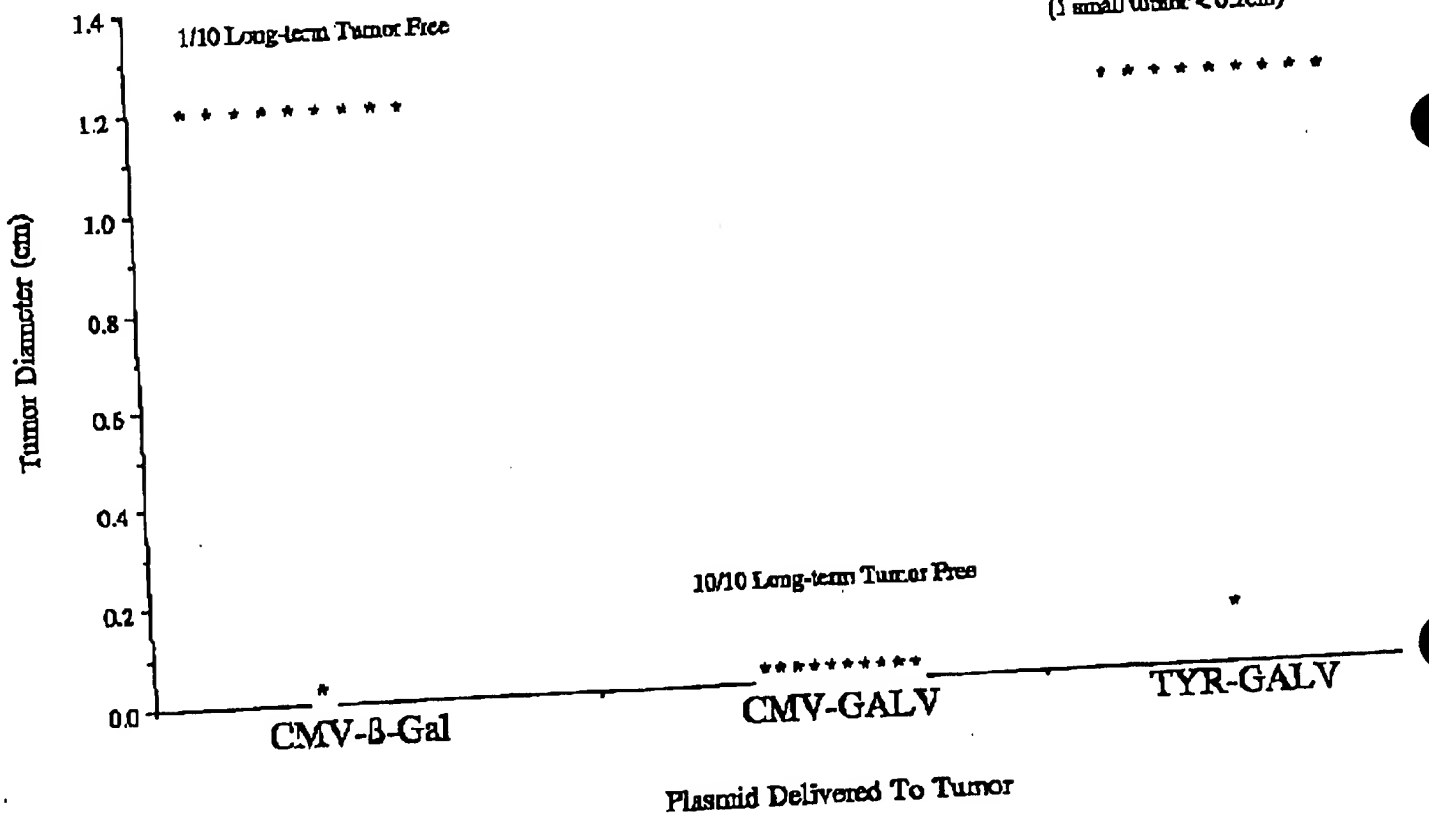


Figure 7C

Figure 7D

D. Mel624, 30 Days

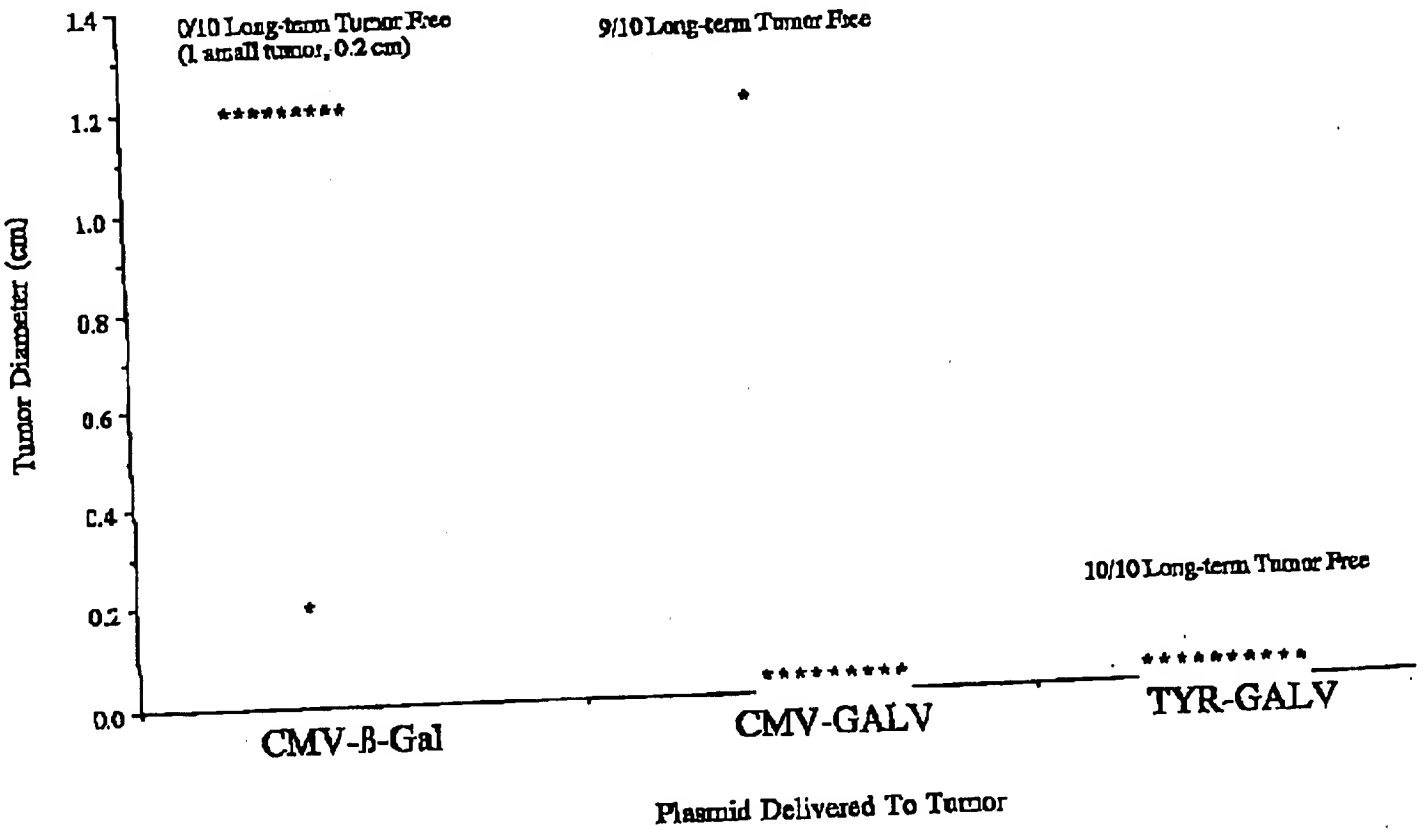


Fig. 7 D

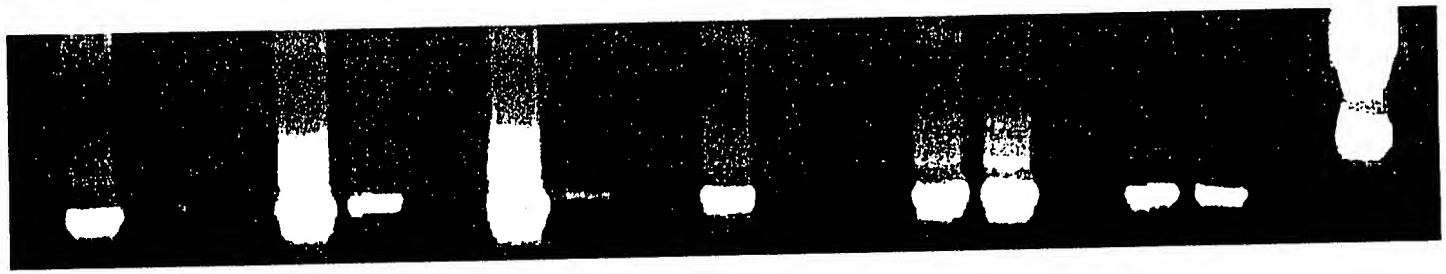


FIGURE 8

FIGURE 9A

A.

2 3 4 5 6 7 8 9 10 11 12 13

FIGURE 9B

FIGURE 10A - 66E12260

A.

AGAATGTTCTAGAAG (ACTGGAGAT) TYR 300bp --

HSE ....(TURN)$_n$... .....E-Box

B.

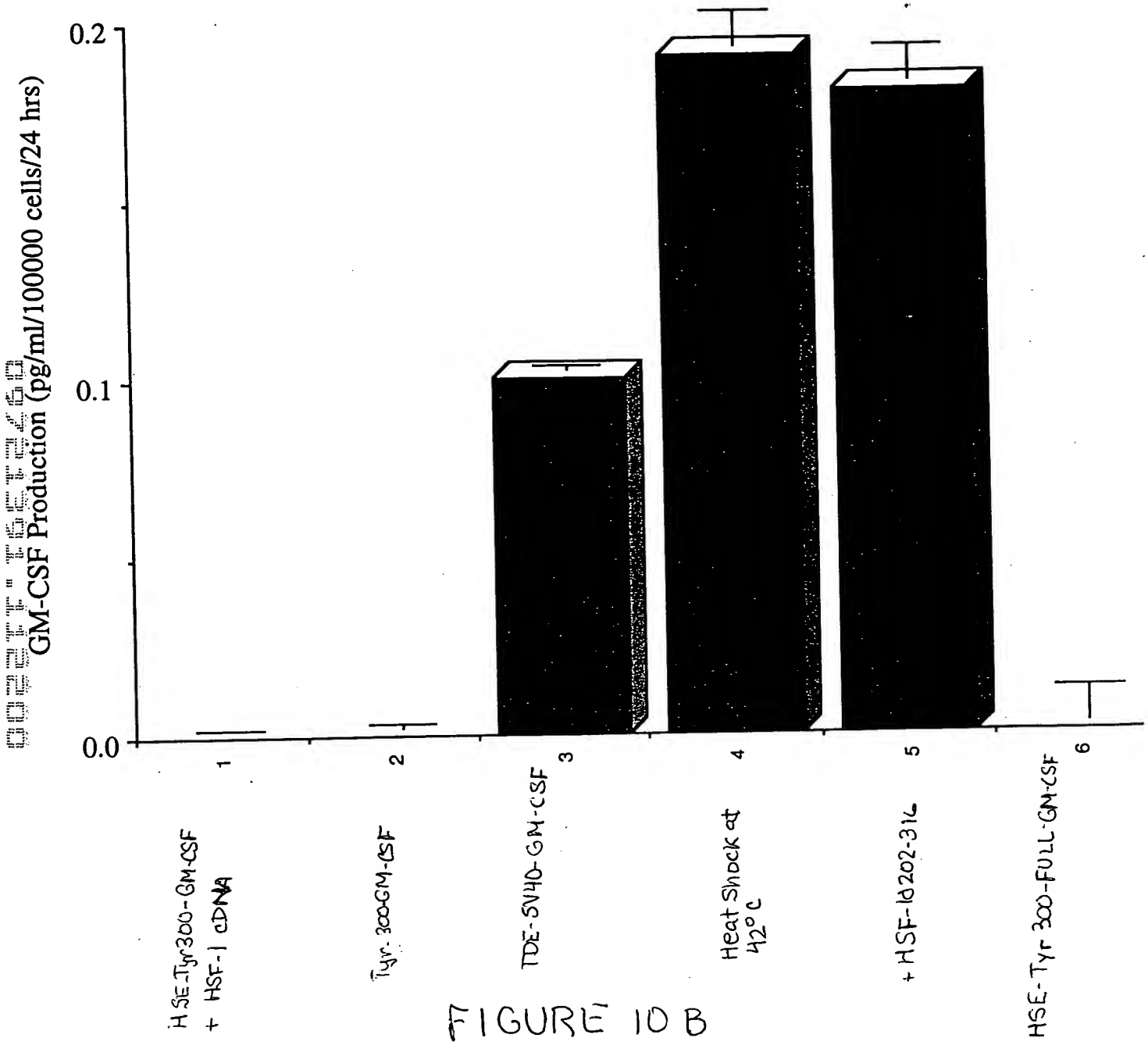

GM-CSF Production (pg/ml/100000 cells/24 hrs)
0.2
0.1
0.0
1
2
3
4
5
6
HSE-Tyr300-GM-CSF + HSF-1 cDNA
Tyr. 300-GM-CSF
TDE-SV40-GM-CSF
Heat Shock at 42° C
+ HSF-1 202-316
HSE-Tyr 300-FULL-GM-CSF

FIGURE 10 B

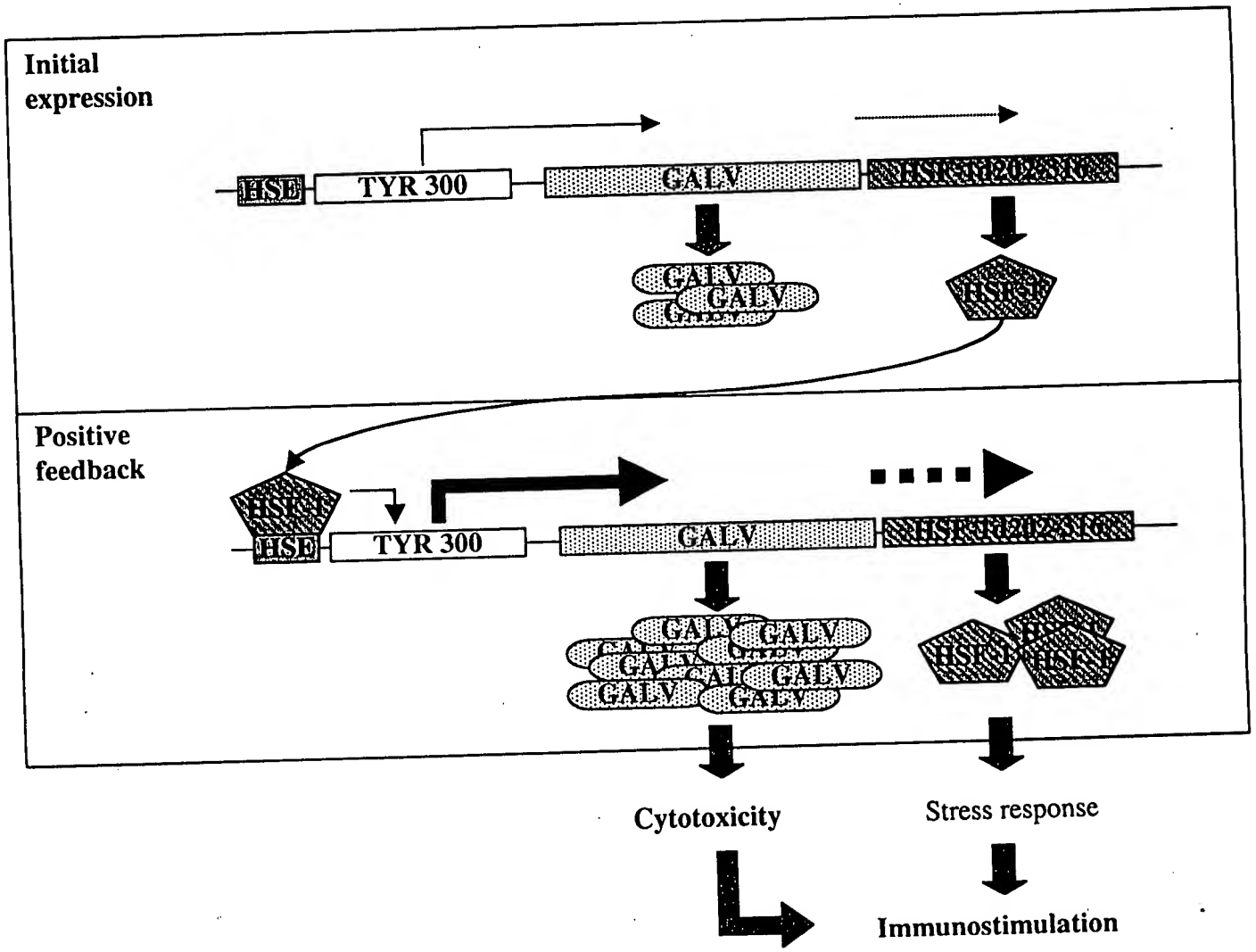
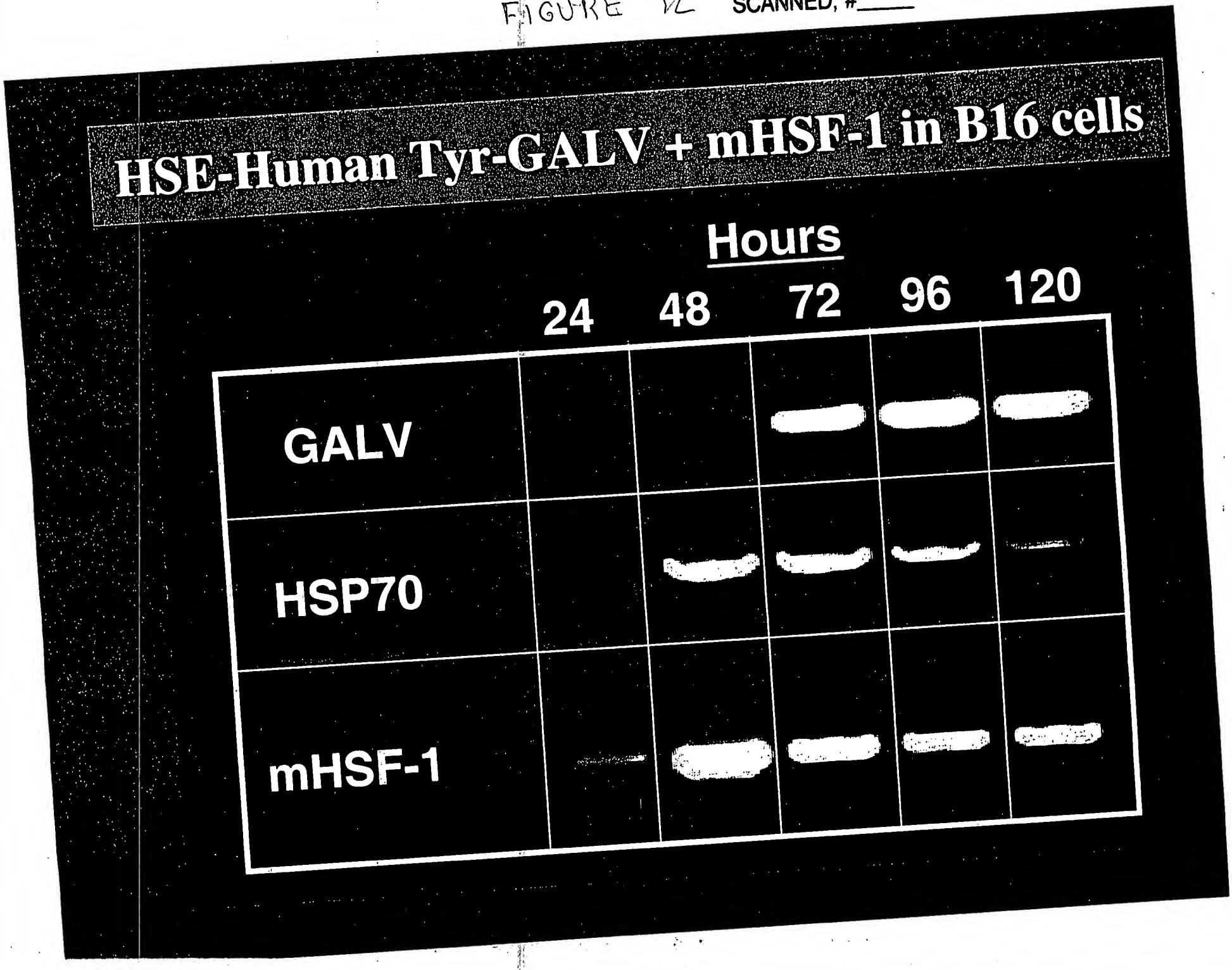
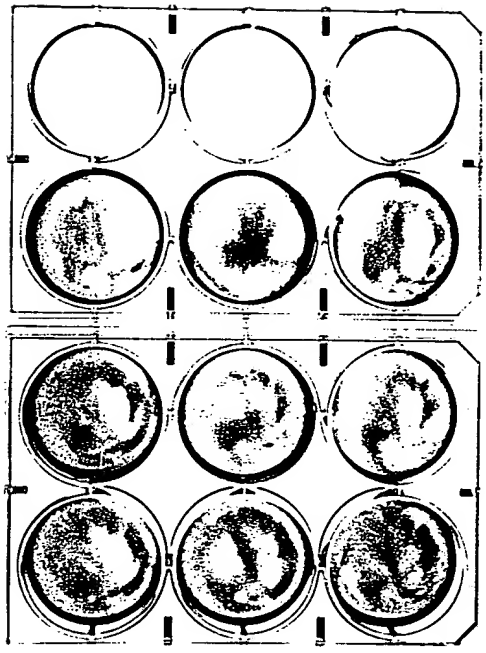


FIGURE 11

FIGURE 12 SCANNED, #____

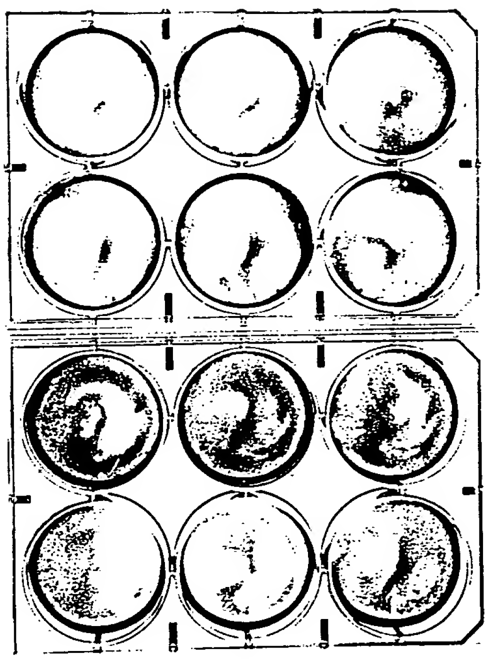




PH872409_1.DIG

FIGURE 13A

Tel.CeB6



HSE-Tyr-GALV + Heat

Tyr-GALV + Heat

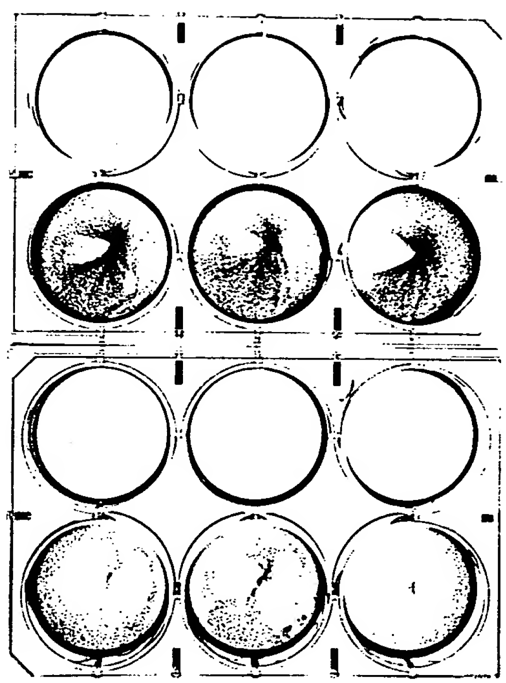
HSE-Tyr-GALV + mHSF-1

Tyr-GALV + mHSF-1

PH872409 6.DIG

FIGURE 13B

Mel 624



CMV-GALV

CMV-βGal

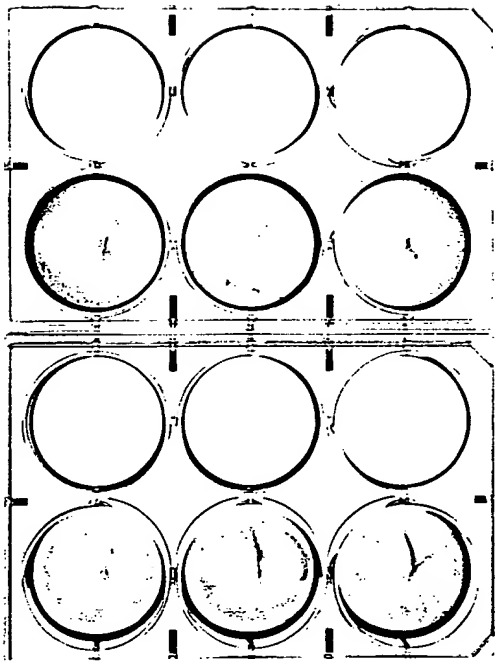
HSE-Tyr-GALV

Tyr-GALV

PH872409 5.DIG

FIGURE 13C

Mel 624



HSE-Tyr-GALV + Heat

Tyr-GALV + Heat

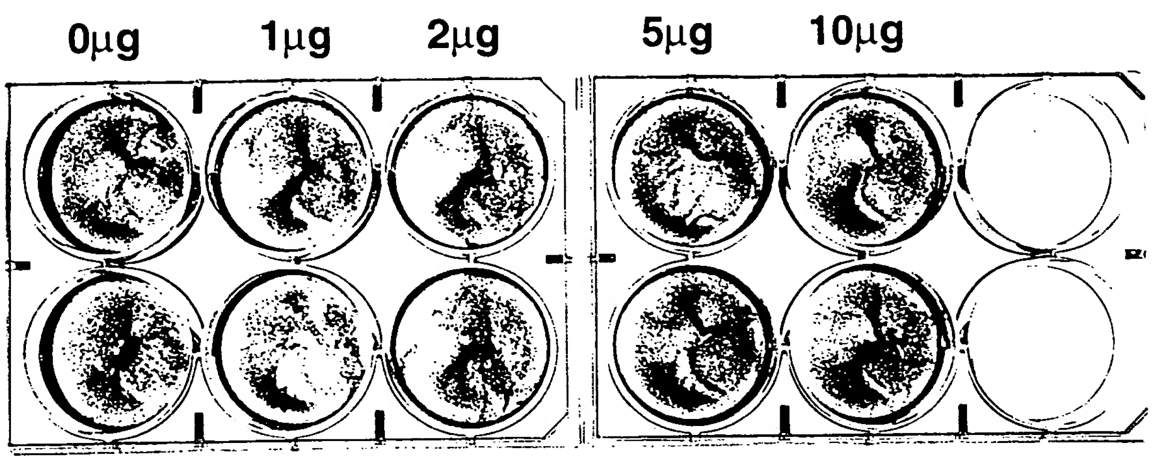
HSE-Tyr-GALV + 5μg mHSF-1

Tyr-GALV + 5μg mHSF-1

PH872409 4.DIG

FIGURE 13D

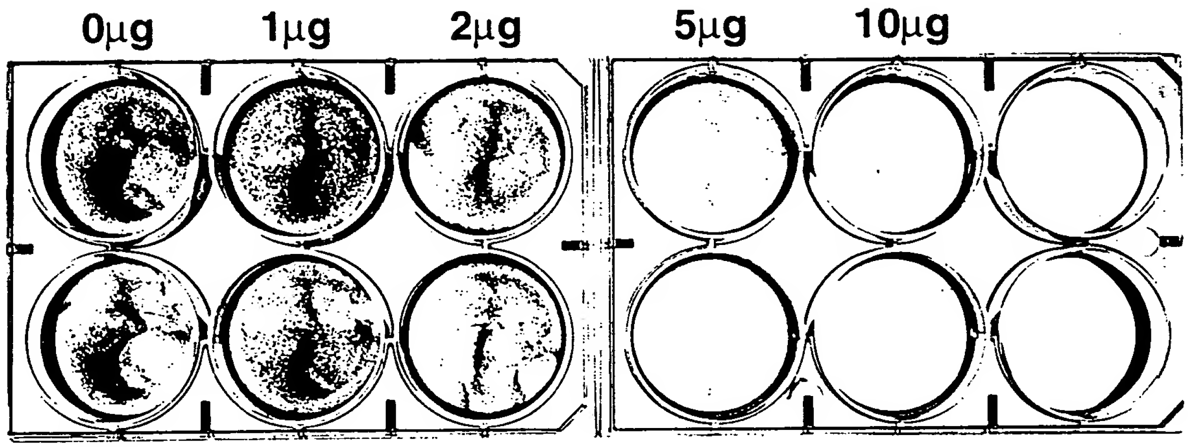
Mel 624: 5μg HSE-Tyr-GALV + CMV-βGal



PH872409_2.DIG

FIGURE 13E

Mel 624: 5μg HSE-Tyr-GALV + mHSF-1



PH872409_3.DIG

FIGURE 13F

A.

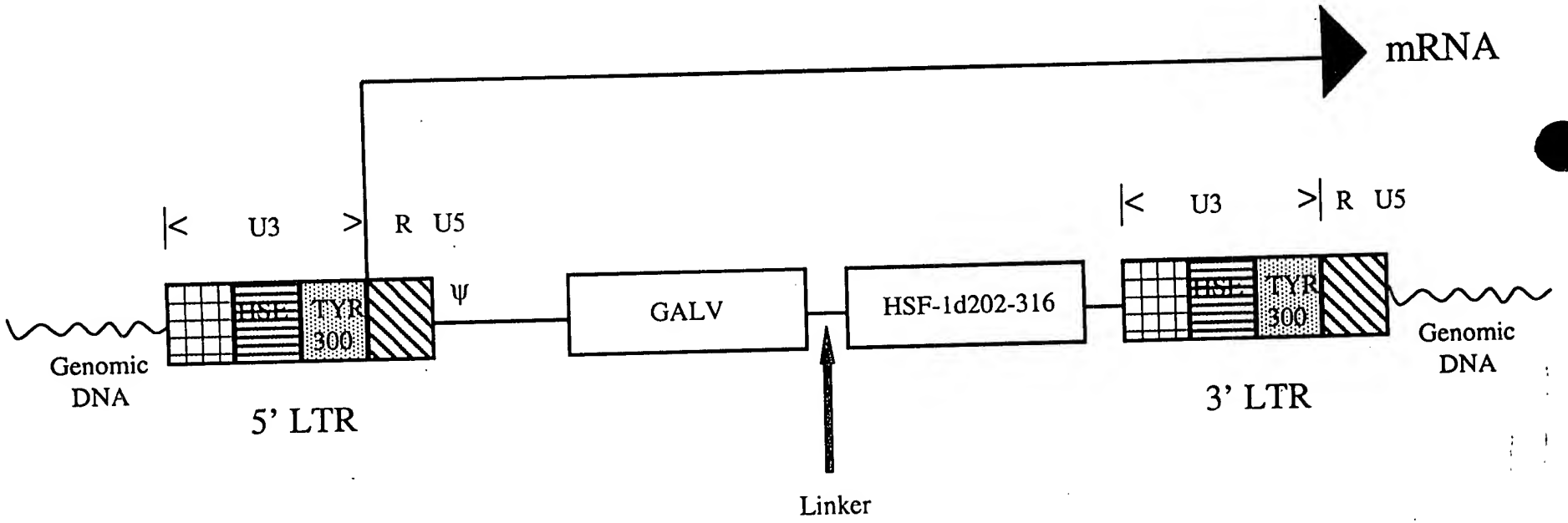


FIGURE 14A

B

Mel 624

Syncytia Formation with Time Following Infection (hrs)

Vector	t=0	t=24	t=48	t=72	t=96	t=120
pBabe Puro	-	-	-	-	-	-
pBabe GALV	-	+	++	+++	++++	+++
pBabe GALV-HSF-1-(wtLTR)	-	+	+	+++	++++	++++
pBabe GALV-HSF-1-(HSE Tyr LTR)	-	-	-	+	+++	++++

Tel

	t=0	t=24	t=48	t=72	t=96	t=120
pBabe Puro	-	-	-	-	-	-
pBabe GALV	-	+	++	++++	++++	++
pBabe GALV-HSF-1-(wtLTR)	-	+	+++	++++	++++	++
pBabe GALV-HSF-1-(HSE Tyr LTR)	-	-	-	-	-	-

FIGURE 14B

C.

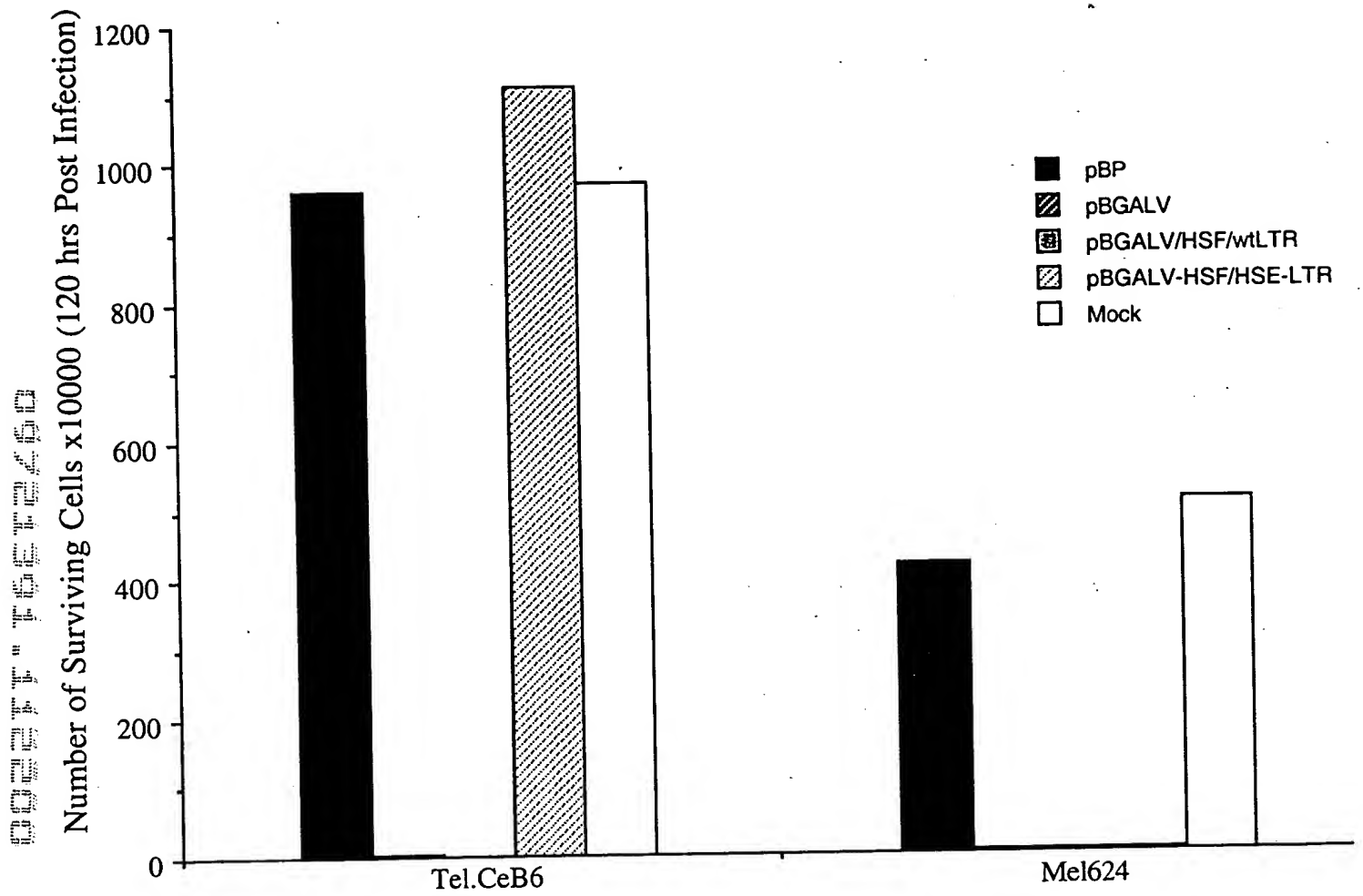

Number of Surviving Cells x10000 (120 hrs Post Infection)
1200
1000
800
600
400
200
0
Tel.CeB6
Mel624
pBP
pBGALV
pBGALV/HSF/wtLTR
pBGALV-HSF/HSE-LTR
Mock

FIGURE 14C.